

## ABSTRACT

## RADIO COMMUNICATION SYSTEM

5           A radio communication system comprises a primary station which is  
arranged to transmit a series of data packets to a secondary station which  
operates according to an ARQ scheme for acknowledging correct reception of  
each packet. The primary station transmits error correction information relating  
to any packets that are not received correctly, thereby enabling the secondary  
10       station to extract correctly the data. The data packets are transmitted via a  
plurality of logical channels, so that an error in transmission of one packet  
does not hold up transmission of packets in other channels. Transfer of data  
transmission from one primary station to another is done by transferring each  
channel when correct reception of a data packet on that channel has been  
15       acknowledged, thereby avoiding the extra signalling required in transferring  
logical channels in which a data packet has been received in error and the  
error correction transmissions have not been completed.

20       (Figure 4)